

## ABSTRACT

### Purposes

To confirm the efficacy from the chemical substances found in industrial products, which can be supplied with relative stability and continuance, do not produce many side effects, prove that they attain desirable antimicrobial activity and to then make them accepted antimicrobial agents.

### Composition

Antimicrobial agents comprising of one or more active constituents having antimicrobial activity, which are selected from guaiacol, lignin sulfonic acid, 2,6-dimethoxyphenol, 3,5-dimethoxyphenol, lignosulfonic acid sodium salt, lignosulfonic acid sodium salt acetate, lignin organosolv propionate, 4-benzyloxyguaiacylglycerol- $\beta$ -guaiacylether and syringaldehyde.

### Effectiveness

Differing from natural products and being antimicrobial agents comprising of industrial products, they are stable from a quantitative and quality point of view, safe and inexpensive and antiviral as well as antibacterial activity can be attained.

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